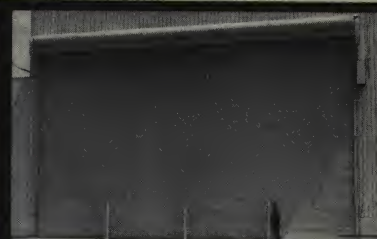




ROLLING DOORS AND PARTITIONS

ROLLING SERVICE DOORS

STEEL OR ALUMINUM	PAGE
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Special Features	4 & 5
Slats and Guides	6 & 7
Operator Types	8 & 9
Specifications	8, 9 & 10



"SERVIRE" FIRE DOORS

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ROLLING GRILLES

STEEL OR ALUMINUM	PAGE
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COUNTER DOORS

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SIDE COILING PARTITIONS

WOOD SLAT DESIGN	PAGE
General Information and Specifications	18 & 19



THE COOKSON COMPANY

SAN FRANCISCO • LOS ANGELES
Sales and Service in Principal Cities



ROLLING DOORS

**designed for user satisfaction—with Architect,
Engineer, Builder problems in mind**

easier to specify

Simplicity and compactness of design; comprehensive engineering service in providing complete specification detail; and custom manufacturing of each door to meet the requirements of its specific location—all are geared by Cookson to relieve the architect, engineer and builder of technical problems on both standard and special door specifications.

easier to install

Cookson doors are shipped with the curtain fully assembled, avoiding the necessity of matching up sections and applying end locks. The continuous wall angle construction further simplifies installation procedure. Precision factory engineering eliminates need for costly on-the-job modifications. No special skills or equipment are necessary to install Cookson Rolling Doors. Full details are supplied.

more effective use of space

Advanced compact design characteristics, employing proper selection of modern materials for maximum strength without useless weight or bulk, permit optimum use of opening, wall and overhead space, and floor areas. All Cookson doors coil effectively out of the way, with minimum projection, assuring safety of equipment and clean appearance.

proved in service

Through two generations of specialized service, Cookson Service Doors, "Servire" Fire Doors, and Rolling Grilles, and more recently Cookson Side Coiling Partitions, have been in constant operation throughout the Nation. Their easier operation and lower maintenance requirements are a matter of record. Available on request is a representative list of users, which is virtually a "Blue Book" of business, industry, institutions and government.

COOKSON ROLLING DOORS

Providing a wide range of application

The Cookson Company has manufactured highest quality Steel Rolling Doors for a wide variety of uses in all types of commercial, industrial and government and institutional buildings. They meet the most rigid specifications. They provide the greatest possible protection from loss, and against damage of every kind. They can't stick, swell, bind, spilt or crack. Their performance is unsurpassed, and they are particularly noted for smooth operation and little maintenance. Where weather, wind or dust is a major problem, Cookson offers many exclusive, patented special features, some of which are described on the following pages.

Cookson Steel Rolling Service Doors are designed for all applications not requiring an Underwriters' Label, and where fire insurance is not a consideration. However, because of their superior construction from finest heavy duty materials, Cookson Service Doors are fire repellent and afford a high degree of fire protection.

with Cookson Doors you get this extra protection of investment



Every Cookson Door is guaranteed for a period of one year from the date of installation against defects in workmanship or material. You can depend on the backing of the long-established Cookson service policy that relieves architect, engineer, builder and user of responsibility for quality, workmanship or material in the manufacture of the door. Lifetime lubricated ball bearings permanently eliminate one of the major causes of door failure.



Complete specifications on every part of every Cookson Door ever built are microfilmed in duplicate for permanent filing. Master microfilms are filed in underground atomic vaults. Copies are maintained at the main Cookson offices for ready reference. This means you can always depend on prompt, accurate replacement of any part or assembly, or duplication of a complete door installation. Together with our Guarantee, established service record and premium quality of our products, Cookson Permanent Door Registry provides maximum protection of your investment.

The Cookson Company reserves the right to make changes in specifications without notice.

Cookson Flat Slat No. 4 is used here for architectural appeal and high weather proofing capabilities.

Interior view of Cookson Aluminum Rolling Door, Type FCA, Alumilited against corrosive action of salt water.

A few of the 26 standard Cookson Type FC Doors, 20 ft. wide, in service in a large pre-fabricated steel building.





ROLLING DOORS

SPECIAL COOKSON FEATURES



Grille-Slat Curtain

This specialty door prevents exposure of the inside of large convention hall to passing traffic, yet permits passage of a large volume of air required by the air conditioning equipment. Sliding mullions move to both sides.

Horizontal Rolling Doors

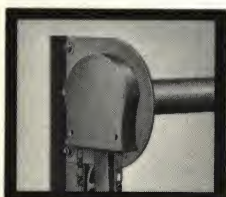
Many unusual applications are found for Cookson Doors, such as this acid dip-tank cover. Tanks remain open for short periods of use, then are quickly closed by means of an electric operator to provide maximum safety and protection.

Large Openings

Solution of another unusual situation by Cookson engineers is illustrated here. Picture shows how Cookson designed multiple doors for extremely large openings of Air Force B-52 maintenance hangars.

Sliding Mullions

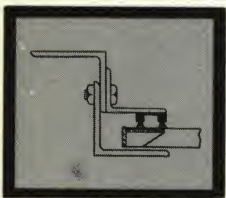
Illustrated is large opening equipped with three rolling doors and two sliding mullions. Track-suspended mullions may be moved to one or both sides, giving large, clear-span opening and permitting use of economical size doors.



Automatic Brake Chain Operator*

A new safety development by The Cookson Company which may be incorporated in chain operated doors. This operator, which is fully enclosed, has a self-locking gearing feature which positively prevents the rapid descent of the curtain while in normal use, or in the unusual event of counterbalance torsion spring breakage.

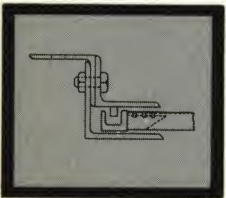
* Patent pending



Dust and Weather Proofing*

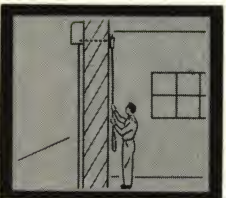
Cookson offers a new, simple, trouble-free design that provides effective sealing under all conditions of weather or dust. Two wool pile weather strips, attached to the weather side of the guides, gives positive dual contact with the curtain at all times. Maximum sealing is obtained when used with No. 4 Flat Face Slats. Long wearing and easily replaced in case of damage.

* Patent pending



Cookson Wind Locks

Wind locks are furnished as standard on all doors 14'6" wide or over, to withstand a 20 p.s.f. wind load. Drawing indicates how guide has special bar secured to inside angle to prevent curtain from leaving guides. This same feature is used in the design of doors to withstand wind pressures up to 40 p.s.f.

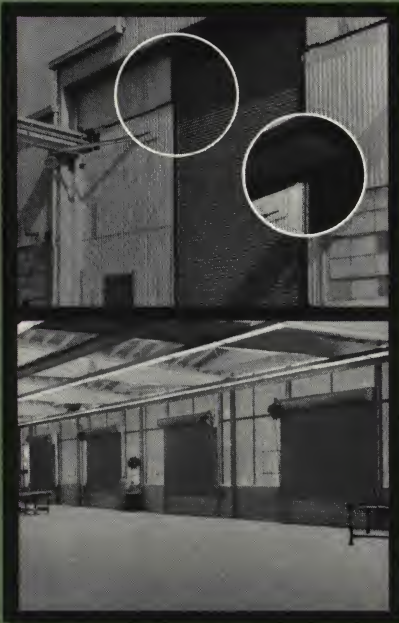


Through-Wall Operator

This mechanism can be provided when the door is required to be mounted on one side of a wall but must be operated from the opposite side. It is commonly used when there is a low ceiling which necessitates mounting the door on the outside wall. Operation is through the wall, as illustrated, where it can be reached only by authorized personnel.

Cookson engineers are fully trained and experienced in the design and development of specially constructed doors to provide satisfactory service in all types of unusual situations. Some of these outstanding features, available at extra cost, are illustrated and described here. You can count on Cookson for prompt and reliable engineering recommendations no matter how complicated the problem

may be. Your nearest Cookson representative is fully qualified to work with you and the factory in the most profitable solution to your particular needs. See page twenty for list of national representatives, or call on Cookson direct.



Craneway Openings

Inset view shows how a special door design incorporates hinged upper guide sections for crane-way. Cookson Door rolls up and out of the way, providing a clear opening for indoor-outdoor crane use.

Special Sloping Footpiece

Graded ground or floor contour is carefully matched by sloping footpiece, giving greatest possible protection against wind and weather. A wide variety of unusual specifications such as this are regularly handled by Cookson.

Ventilated Bottom Section

Where a continuous circulation of fresh air is required by local ordinance, such as in automobile garages, doors can be fitted with special bottom sections. Standard Cookson Door slats are punched to form ventilated section.

Wicket or Pass Door

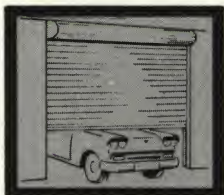
Wicket Doors provide a convenient entrance without having to raise the main door. Ideal where the main opening provides the only access. Pass door and frame swing back when curtain is raised. Cylindrical lock is standard, mortise type lock is extra.



New All-Weather Astragal*

A special vinyl astragal or floor-strip may be attached to the footpiece, giving tight three-point contact with floor to seal against rain, wind, weather and dust. Flexible and resilient, it conforms closely to the contour of the floor, regardless of all normal irregularities or roughness. Held rigidly in place by bolts through the footpiece, it can be replaced readily if damaged.

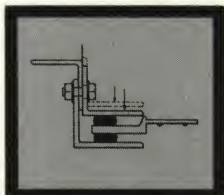
*Patent pending



Cookson "Detectedge"™**

One of many optional electrical features available at extra cost, the "Detectedge" introduces an important factor of safety in the operation of motor operated doors. Employing a special electrical contact bar in the compressible weatherstrip on the footpiece, the curtain automatically stops, or stops and reverses, on contact with any object it encounters during its downward travel.

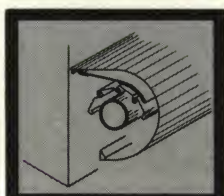
*Patent pending



Spring-Loaded Guide*

Where conditions of dust or weather are critical, special end locks and spring-loaded guides with sealing strips may be specified. Guides are designed so that when door reaches the closed position the spring-loaded inside angle is forced toward the opposite guide to allow the sealing strips to come in firm contact with curtain end locks.

*Patented



Hood Baffle

The Cookson Hood Baffle is used to minimize the seepage of air around the hood at the head of the door. Baffle plate is hinged to the hood and the neoprene edging makes close contact with the full length of the curtain.



ROLLING DOORS

SLATS

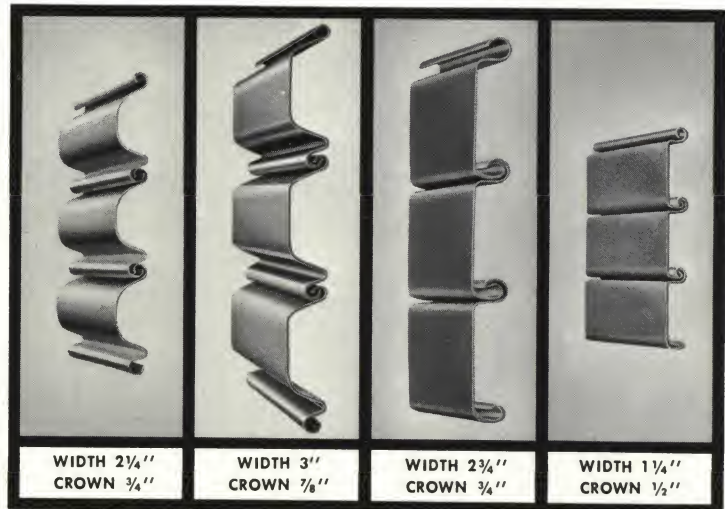
Designed for greater protection,
longer life and less maintenance

types

Premium quality Cookson steel slats are specially designed to combine maximum strength with free rolling action. They shed water effectively and protect against dust, wind and other elements of weather. Fabricated from copper-bearing cold rolled steel, their long term built-in weather resistance is assured by the unique Cookson 3-way finish described at right. End locks are machine riveted to assure absolute uniformity. The grey factory primer offers maximum rust inhibiting qualities and serves as a practical base for any final paint finish desired. Refer to chart for proper selection of slat type and gauge.

other materials

Unless otherwise specified, curtain, hood and guides are furnished in steel. Cookson Rolling Doors are also available in aluminum, wood, stainless steel, and other non-ferrous metals. Consult factory for details.



WIDTH 2 1/4"
CROWN 3/4"

WIDTH 3"
CROWN 7/8"

WIDTH 2 3/4"
CROWN 3/4"

WIDTH 1 1/4"
CROWN 1/2"

slat no. 1

Combines maximum strength, ease of coiling, water shedding. For doors of average sizes as shown in chart.

slat no. 3

For large industrial doors, this extra heavy-duty slat resists deflection through design using high flat crown.

slat no. 4

A flat-face slat designed for architectural appeal. Eliminates high crown. Easier to weather proof.

slat no. 10

A midget slat of galvanized or stainless steel. Used in place of aluminum slats in Counter Doors where architectural effect not of prime importance.

selection of slats

Determine the Slat Number and gauge of material to be used in the curtain, according to the size of opening indicated in the chart at right. Note slat dimensions also indicated in the chart. These represent standard Cookson specifications. Variations may be required to meet special conditions. Cookson standard doors are designed to withstand 20 pounds per square foot wind pressure.

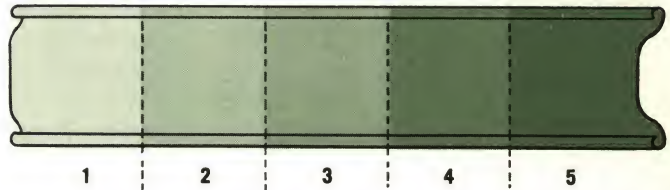
GUIDES

Greater safety and easier installation through unique design

Cookson guides are constructed of two separate angle members bolted to the continuous wall angle. This design allows easy replacement or straightening of either part, and ready access to curtain ends and end locks. Slotted mounting holes on wall angles permit simple and accurate leveling adjustment.

four important features distinguish Cookson Guides

- Exclusive multiple anchor protection with continuous wall angle connected directly to steel plate brackets—equalizes strain on anchor bolts and guards against shock damage—eliminates need for expensive heavy lintel construction.
- Wall angle extending above guide groove provides for easy attachment of steel brackets.
- Complete accessibility for replacement or straightening of individual angle members—or access to curtain ends and end locks without disturbing mounting.
- Easy to install, with a simple adjustment to level curtain and barrel.

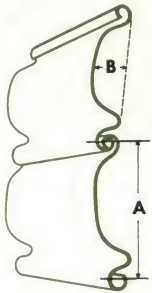


Cookson 3-way protection provides long-term weather resistance:

- 1—hot dip 1.25 ounce ASTM standard galvanizing
- 2—phosphate paint bond
- 3—shop coat of primer

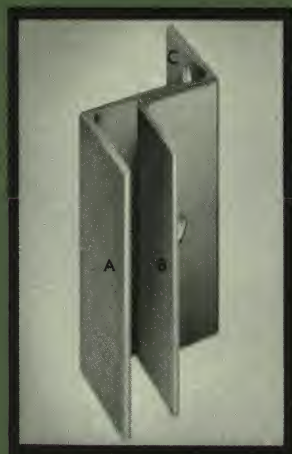
- 1 Copper bearing strip steel
- 2 Hot dip galvanized—zinc content not less than 1.25 oz. per sq. ft.
- 3 Phosphate bonding treatment for paint adhesion before fabrication
- 4 Factory coat, after fabrication, of rust inhibiting grey primer
- 5 Field finish coat as desired by others

slat selection and dimension chart



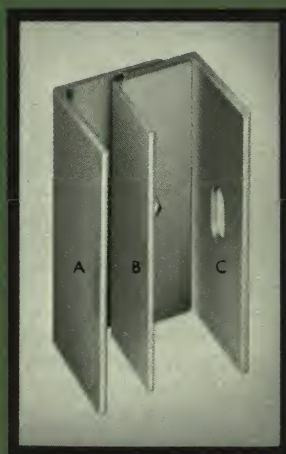
DOOR WIDTH	DOOR HEIGHT	SLAT NO.	GAUGE	DIMENSIONS	
				A	B
0' to 12'0"	Up to 25'0"	1	22	2 1/4"	3/4"
12'1" to 18'0"	Up to 25'0"	1	20	2 1/4"	3/4"
18'1" to 25'0"	Up to 25'0"	3	18*	3"	7/8"
Over 25'0"	Over 25'0"		Consult Factory		

*Slat No. 3 also available in 20 gauge and 16 gauge



no. 1 guide

For fastening to brick, concrete, wood or masonry jambs using expansion or lag bolts



no. 2 guide

For mounting on steel or wood jambs with machine or lag bolts

A — Outside angle B — Inside angle C — Wall angle

Guide Dimensions



guide selection and dimension chart

DOOR WIDTH	DOOR HEIGHT	DIMENSIONS			
		D	E	F	G
0' to 14'0"	Up to 25'0"	2" min.	1"	2-5/16"	2-5/16"
14'1" to 18'0"	Up to 25'0"	2" min.	1"	2-13/16"	2-5/16"
18'1" to 25'0"	Up to 25'0"	2" min.	1-3/16"	2-13/16"	2-5/16"
Over 25'0"	Over 25'0"	Consult Factory			



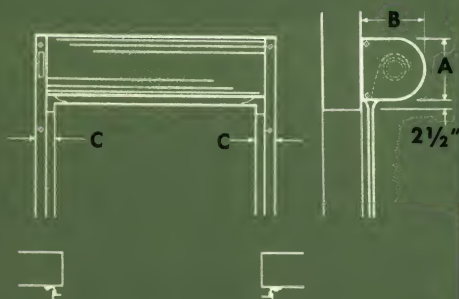
ROLLING SERVICE DOORS

DOOR TYPES

Cookson Steel Rolling Service Doors must be specified by TYPE. Shown here are the most common types for standard applications, and are designated according to type of operation and mounting. For doors requiring special design for non-standard applications, or special Cookson features as described elsewhere in this bulletin, consult your local representative or the Factory. Complete Specifications are contained on page 10.

type FP

face of wall mounted
push-up operation



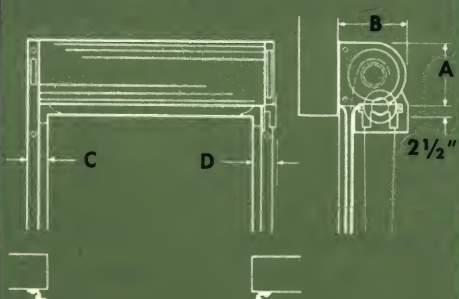
DIMENSIONS

AREA AS PER CHART ABOVE	A	B	C
AREA 1	13	14	5

Not Recommended Over 80 Sq. Ft.

type FC

face of wall mounted
chain operation

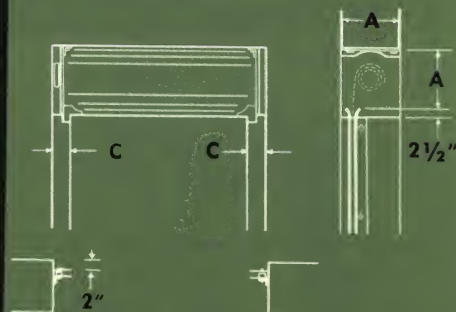


DIMENSIONS

AREA AS PER CHART ABOVE	A	B	C	D
AREA 1	13	14	5 1/2	6 3/4
AREA 2	15	16	5 1/2	6 3/4
AREA 3	16	17	6 1/2	7 3/4
AREA 4	18	19	6 1/2	7 3/4
AREA 5	20	21	6 1/2	7 3/4

type JP

between jambs mounted
push-up operation



DIMENSIONS

AREA AS PER CHART ABOVE	A	C
AREA 1	13	5

Not Recommended Over 80 Sq. Ft.

OPERATOR TYPES

smooth, easy operation

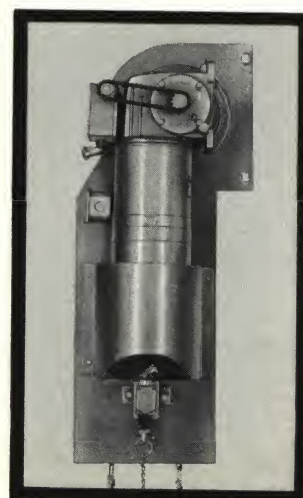
From the users' standpoint, ease of operation is a primary consideration. Cookson doors operate with from 35% to 65% less effort than most steel rolling doors due to sealed ball bearing mounting, patented friction-free method of securing torsion springs, balanced design, and precision construction. These same features assure longer trouble-free life and minimum maintenance. There are no bushings to wear out or replace.

choice of operating methods

Building design, operation requirements, size of door and budget considerations determine which of the four basic types of operation should be selected. Motor, chain and crank operation are described at right. Push-up or Manual, using handles on the curtain, are not recommended for doors over 80 sq. ft. in area.

motor operation

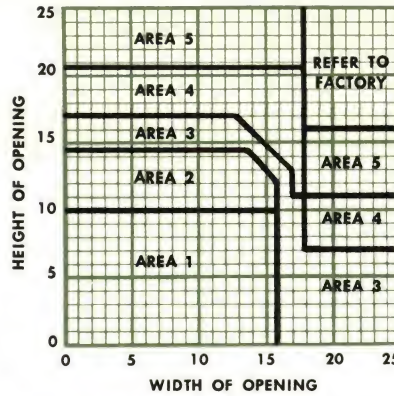
Cookson Motor Units can be supplied with new doors or installed on old doors. They are rugged, compact, smart looking, and completely dependable. Finger-touch remote switch opens, closes, or stops door at any point. Operation is stopped automatically at top and bottom by a geared limit switch. An auxiliary hand chain provides instant operation in case of power failure. Cookson Motor Units are available in Type MU-B, bracket mounted, or Type MU-W, wall mounted—440 or 220 volt 3-phase, 110 or 220 volt single-phase. 3-phase service is recommended for simplicity of electrical reversing operation.



door size selection chart

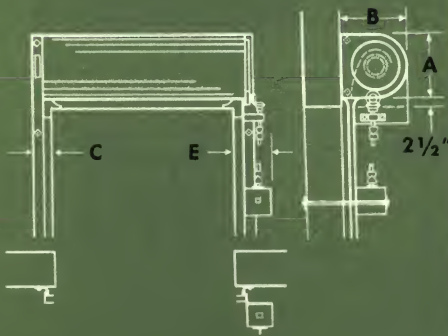
Find the area number of the door to be specified on the chart at right. This Area Number is keyed to the complete dimensional information for Service Doors below.

For doors over 25' in either dimension, consult factory



type FK

face of wall mounted
crank operation



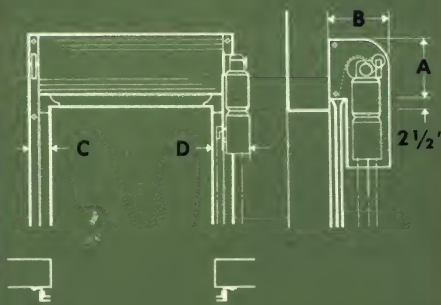
DIMENSIONS

AREA AS PER CHART ABOVE	A	B	C	E*
AREA 1	13	14	5 1/2	8
AREA 2	15	16	5 1/2	8
AREA 3	16	17	6 1/2	8
AREA 4	Not recommended			
AREA 5	Not recommended			

*Add 5" for crank handle clearance

type FCM-B

face of wall mounted
motor operated bracket mount

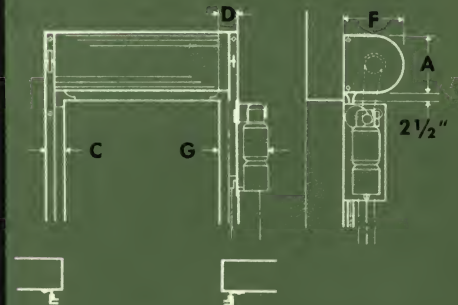


DIMENSIONS

AREA AS PER CHART ABOVE	A	B	C	D
AREA 1	13	14	5	13 1/2
AREA 2	15	16	5	13 1/2
AREA 3	16	17	6	13 1/2
AREA 4	18	19	7	13 1/2
AREA 5	20	21	7	13 1/2

type FCM-W

face of wall mounted
motor operated wall mount

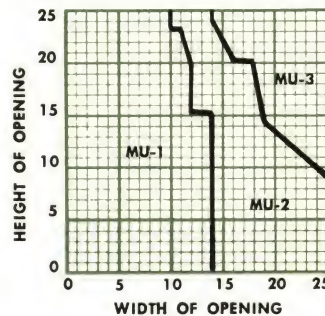


DIMENSIONS

AREA AS PER CHART ABOVE	A	C	D	F	G
AREA 1	13	5	6	14	17
AREA 2	15	5	6	16	17
AREA 3	16	6	6	17	17
AREA 4	18	7	6	19	17
AREA 5	20	7	6	21	17

power unit selection

Selection of the proper Cookson Motor Unit for any size door is easily made by referring to chart. Cookson Units are designed to raise a standard door at the average rate of 40 ft. per minute. If the door size required falls on the solid line of the chart, or if curtain gauge is heavier than indicated in SLAT SELECTION CHART on page 7, specify the next higher Motor Unit indicated. For doors larger than 25' in either dimension, consult factory.



optional electrical features

Several special electrical devices are available at extra cost. In addition to the Cookson "Detectedge"® Safety Reversing Bottom Bar, described on page 5, Cookson offers:

SAFETY WARNING DEVICES, such as blinking light, horn or bell which indicate when door is in operation.

AUTOMATIC OPERATION DEVICES, including pressure switches or electric eye system at approaches.

chain

This operation utilizes galvanneal endles chain and precision cast iron reduction gears. A popular, low-cost operating method for medium to large area doors. New safety chain operator available if desired. See page 4.



crank

Suitable for doors of all sizes, crank operation utilizes a stationary shaft from reduction gearing to crank box at the operating level. Smooth, quiet, with removable crank.





ROLLING DOORS

DOOR SPECIFICATIONS

work included: Furnish Rolling Doors as manufactured by The Cookson Company, San Francisco 10, California, complete with guides, hoods and operating mechanism as hereinafter specified.

work not included: Preparation of openings, including steel jambs, or other structural or miscellaneous iron work. Field painting after erection. Electric wiring, conduit or disconnect switches required for power operators.

general design: The rolling doors shall be designed to withstand a windload of 20 pounds per square foot. To insure ease of operation, the load of barrel and curtain shall be supported by two grease-sealed ball bearings. Doors shall be guaranteed for a period of one year against defects in workmanship and materials.

curtain: To be formed of interlocking slats fabricated from hot dipped galvanized copper bearing strip steel. Galvanized coating to be 1.25 oz. per sq. ft. in conformance with ASTM standards. Material to be given a phosphate treatment for paint adhesion before fabricating. (For slat type and gauge, see Selection Chart on Page 7.) Alternate slats are to be fitted with malleable iron end locks. Provide Wind Locks on doors over 14'6" wide. The bottom slat is to be reinforced by two steel angles, not less than $\frac{1}{8}$ " thick.

guides: To be composed of three steel angles bolted with $\frac{3}{8}$ " bolts to form a groove for the curtain. Wall angle is to be of the continuous type. The guide shall be attached to the wall with machine bolts or lag screws of at least $\frac{1}{2}$ " on at least 36" centers. Top of each guide shall be well-flared to facilitate entry of curtain, and provided with cast iron stops.

brackets: Shall be fabricated from steel plate of not less than $\frac{5}{16}$ " thick. Brackets shall be bolted to wall angle with $\frac{1}{2}$ " bolts.

gears: All gears shall be cast iron with teeth cast from machine cut patterns. The pinion gears shall be not less than 3" pitch diameter. Gear ratio shall be designed for a maximum manual effort of not more than 35 pounds.

barrel: To be not less than 4" diameter steel tubing and designed to limit maximum deflection to .03" per foot. Oil tempered torsion springs shall be capable of correctly counterbalancing weight of curtain. Springs shall be adjusted by means of an exterior wheel.

operation: Shall be of: (select type required)—1) Manual Operation—by means of handle in curtain. Not recommended for doors over 80 square feet in area. 2) Chain Operation—by means of reduction gears and galvanized hand chain. 3) Crank Operation—by means of handle, crank box, and reduction gearing. 4) Motor Operation—push-button control. Recommended on all doors over 20 feet in width or 15 feet in height. (See below for additional specifications.)

hood: To be fabricated from galvanized steel. Hoods shall be formed to fit the curvature of the brackets and attached securely thereto.

paint: Complete door shall be given one coat of rust inhibiting grey primer.

erection: Shall be done in accordance with Cookson Company standards by sales representatives of the Company.

motor operation: Motor to be crane-hoist type with disc brake and shall have sufficient capacity to raise door at 40 ft. per minute. The electrical equipment shall include magnetic reversing starter, push-button station marked "open," "close," and "stop," emergency change-over switch, and a geared type limit switch connected to the main drive. An emergency manual operator shall be provided which will be operable from the floor, to provide instant hand chain operation in case of power failure. An electrical interlock shall be provided to prevent operation of the motor unit when hand chain is engaged. (Note: When specified, motor operated doors can be furnished with Cookson Company's "Detectedge," a safety device to stop downward motion upon contact with an object.)

wicket door specifications: Wicket Doors shall be flush hollow metal type, 2'8" x 6'8" x 1 $\frac{3}{4}$ " in size. Doors shall be complete with hinges, cylindrical locks of standard type, and hinged frame which contains the door. The hinged frame is to be fastened to the Rolling Door Guides. Consult plans for hand and swing.

locks: Push-up doors are to be locked by means of a sliding bolt prepared for padlocking; or a cylinder locking device at extra cost. Chain doors are to be furnished with a chain lock. Crank doors are to be furnished with a sliding lock mounted on crank box. Motor operated doors can be supplied with key operated P/B Stations at additional cost. Cylinders and padlocks, if required, shall be furnished by others.



"SERVIRE"[®] FIRE DOORS

**Standard labeled and oversize certified doors.
Larger opening protection where label is not required.**

Engineered and built to combine the highest possible degree of both service and fire protection, "Servire" Automatic Drop Fire Doors are inspected and labeled or certified by Underwriters' Laboratories and Factory Mutual Laboratories. Because of their recognized dependability and quality, installation of Cookson "Servire" Doors usually results in important reduction of insurance premiums.

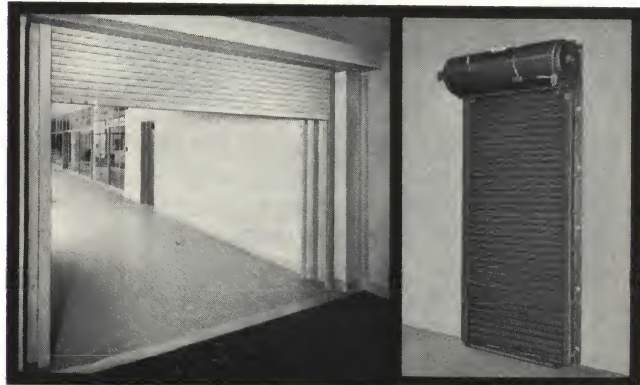
"Servire" Fire Doors combine all of the design and operating advantages of standard Cookson Service Doors, including ball bearing mounting and multiple anchor protection.

special Cookson protection features

- Fully automatic drop mechanism instantly activated by a link which fuses at 160°F.
- Dependable escapement governor which both controls speed of closing and serves as a warning signal when the automatic drop is activated.
- Improved drop clutch which applies an initial downward force to the door to insure positive drop.
- No contact between any two ferrous metal moving parts of the operating mechanism, preventing possibility of jamming due to corrosion.
- Simple resetting of drop lever after automatic closure permits immediate operation as standard service door.
- Automatic drop baffle inside main hood effectively guards against passage of smoke or flames.

Cookson "Servire" Fire Doors are built to the strict requirements of the Underwriters' Laboratories, Inc. and the Factory Mutuals. To bear a label, the fabrication of these doors cannot deviate from their specifications.

New church includes Cookson Fire Doors for full measure of protection. (Left) Photo at right shows Type FD-1 "Servire" access door which can also be used as standard service door.



Oversize certified double "Servire" automatic drop fire doors protect modern bank vault areas from both sides.



Typical application of Cookson "Servire" Fire Doors which qualifies owners for lower fire insurance premiums.

slats

Slats are of galvanized steel in gauges from 18 to 22. Each slat is provided with end locks and flame baffles.

guides

The size and thickness of guides are dependent on the Underwriters' Laboratories specifications for the size of the door. All guides are assembled with slotted holes and galvanized washers to allow for expansion from heat.

operators

Whether it be a push-up, crank, or chain operation, each automatic door is provided with a governor to control the downward speed, and a release tripper mechanism to insure automatic closing of the door.

See specifications on pages 12 and 13.



"SERVIRE" FIRE DOORS

SELECTION OF FIRE DOORS

Underwriters' Laboratories classify fire doors in the following manner:

- class A:** Division or fire wall. 3 hour rating.
- class B:** Enclosures to vertical communications through buildings, vertical shafts, etc. 1 1/2 hour rating.
- class C:** Openings in corridors and room partitions. 3/4 hour rating.
- class D:** Exterior walls—severe fire exposure. 1 1/2 hour rating.
- class E:** Exterior walls—moderate fire exposure.
- class F:** Exterior walls—light exposure.

Note: Classes D, E and F are generally non-automatic.

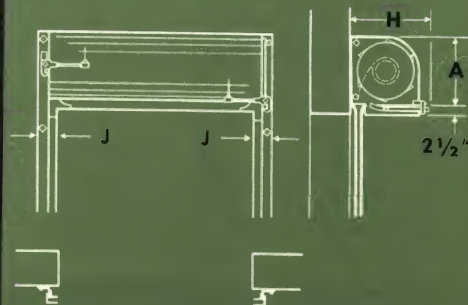
The Underwriters' Laboratories state that steel rolling doors be designed for interior or exterior openings not exceeding 120 square feet with no dimension exceeding 12'0". For doors exceeding these dimensions an Oversized Certificate shall be obtained by the manufacturer. Certified Oversized doors shall not exceed 576 square feet with neither dimension over 24'0".

The Cookson "Servire" Door is designed to meet all of the above requirements. It has been fire tested at the Underwriters' Laboratories, subjected to 1728°F. fire, then water tested by high pressure hoses.

For the ultimate in fire protection, specify Cookson "Servire" Fire Doors. Clearance dimensions and complete specifications are detailed at right. To meet special fire door problems, consult trained Cookson engineers—without obligation.

type FD-1

face of wall mounted
push-up operation



DIMENSIONS

AREA AS PER CHART ABOVE	A	H	J
AREA 1	13	15 1/2	7

Not Recommended Over 80 Sq. Ft.

Note: When door furred-in at ceiling, add 4" to "A" dimension.

FIRE DOOR SPECIFICATIONS

Specify "Servire" Automatic Drop Steel Rolling Fire Door as manufactured exclusively by The Cookson Company. The various types and dimensions are shown above.

"SERVIRE" TYPE FD-1

Face of wall mounted, push-up operation

"SERVIRE" TYPE FD-2

Face of wall mounted, chain operation

"SERVIRE" TYPE FD-3

Face of wall mounted, crank operation

"SERVIRE" TYPE FD-4

Under lintel mounted, push-up operation

work included: Furnish "Servire" Steel Rolling Fire Doors as manufactured by The Cookson Company, San Francisco 10, California. These doors shall bear the label of Underwriters' Laboratories, Inc. and shall be manufactured to their specifications.

work not included: Preparation of openings, including steel jambs, other structural or miscellaneous iron work, or the furnishing of shear or protective plates above hood.

curtain: Composed of interlocking galvanized steel slats and malleable iron endlocks as required by U.L. specifications. Top slat is to be reinforced by means of a flat steel bar.

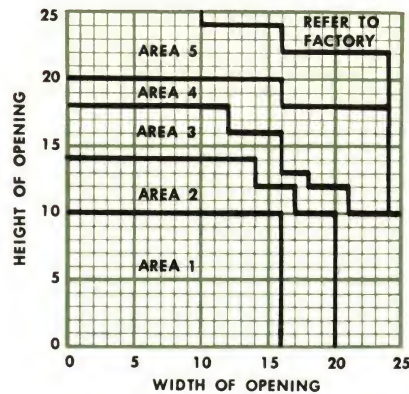
footpiece: Composed of two steel angles held together by 1/4" bolts at a distance not to exceed 12" on center. All holes shall be slotted to allow for expansion. Bolts to be complete with galvanized washers.

guides: To be fabricated from steel angles of not less than 3/16" thick. The assembly bolts are to be spaced at not more than 12" on center and provided with galvanized washers on one side. A clearance of at least 3/4" is to be provided between the bottom of guide and the

door size selection chart

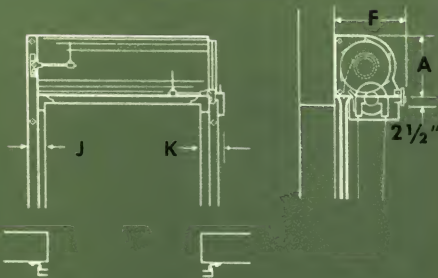
Find the area number of the door to be specified on the chart at right. This Area Number is keyed to the complete dimensional information for "Servire" Fire Doors listed below.

For doors over 25' in either dimension, consult factory



type FD-2

face of wall mounted
chain operation

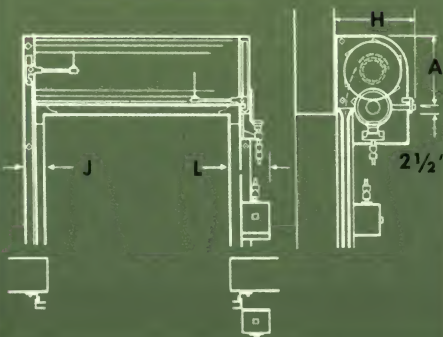


DIMENSIONS

AREA AS PER CHART ABOVE	A	F	J	K
AREA 1	15	16	7	8
AREA 2	16	17	7	9
AREA 3	18	19	8	10
AREA 4	20	21	8	10
AREA 5	CONSULT FACTORY			

type FD-3

face of wall mounted
crank operation



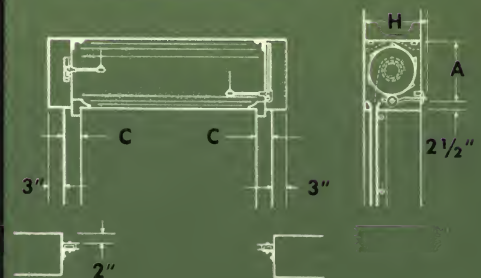
DIMENSIONS

AREA AS PER CHART ABOVE	A	H	J	L*
AREA 1	15	18	7	9
AREA 2	16	19	7	9
AREA 3	18	21	8	9
AREA 4	20	23	8	9
AREA 5	CONSULT FACTORY			

*Add 5" for crank handle clearance.

type FD-4

under lintel mounted
push-up operation



DIMENSIONS

AREA AS PER CHART ABOVE	A	C	H
AREA 1	13	5	15½

Not Recommended Over 80 Sq. Ft.

sill. Holes in guides for fastening to wall shall be slotted for expansion and shall not exceed 18" on center. G.C. shall set anchor bolts to dimensions given by this Contractor.

brackets: To be fabricated from steel mill plate of not less than 3/8" thick. Brackets to be attached to wall angle by bolts of not less than 1/2" diameter.

barrels: To be made of steel pipe or tubing of sufficient size to prevent deflection in excess of .03" per foot of opening width. Barrel shall enclose counterbalancing mechanism consisting of oil tempered torsion springs of proper size.

hood: To be galvanized steel not less than 24 U. S. gauge formed to fit curvature of the brackets and attached by means of self tapping screws. Hood to be attached to wall by means of bolts at not more than 24" centers.

baffle: Hoods to be complete with flame baffle as per U.L. requirements.

operation: shall be of: (Select type required)

- 1) Manual Operation—by means of handle in curtain.
- 2) Chain Operation—by means of reduction gears and galvanized hand chain.
- 3) Crank Operation—by means of handle, crank box, and reduction gearing.

automatic closing: All "Servire" Fire Doors shall be equipped with automatic closing device and governor which shall engage upon the fusing of a 160 degree fusible link. (Note: Underwriters' Laboratories, Inc. permits Class B, C and D Labeled Doors to be non-automatic, subject to local ordinances.)



ROLLING GRILLES

STEEL OR ALUMINUM

free visibility and ventilation—plus high protection factor

school corridors
garages
store fronts
courtyards
open air markets
industrial plants
stairways

Both attractive and practical, Cookson Rolling Grilles are designed to combine strength, security against entry, high visibility and free ventilation. They offer the same basic factors of ease of installation and operation that have made Cookson Service Doors so universally satisfactory. Available in steel or aluminum, for push-up, chain, crank or motor operation.

Main corridor entrance to this modern high school is attractively and effectively protected by Cookson Rolling Grilles.



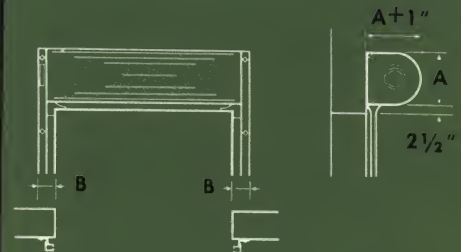
New clean-lined Cookson Grille construction combines maximum visibility, ventilation and protection. Newly designed linkage and hinge action adds to operating ease, reduces wear.

Cookson Grilles are used extensively in garage entrances, where local ordinances require a continuous circulation of fresh air.

Grilles find wide acceptance for large interior and exterior openings in commercial, industrial and governmental facilities.

type FPG

face of wall mounted
push-up operation



DIMENSIONS

HEIGHT	7'0"	11'6"
TO 14'0"	A 13"	15"
WIDE	B 5"	5"

NOT RECOMMENDED OVER 80 SQ. FT. IN STEEL AND 120 SQ. FT. IN ALUMINUM

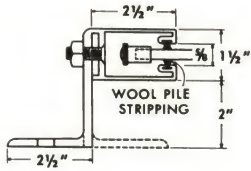
ROLLING GRILLE SPECIFICATIONS

work included: Furnish (Steel) or (Aluminum) Rolling Grilles as manufactured by The Cookson Company, San Francisco 10, California.

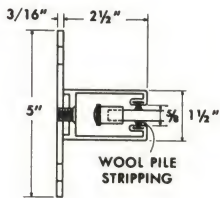
work not included: Preparation of openings, including jambs, or other structural or miscellaneous iron work. Field painting after erection. Electric wiring, conduit or disconnect switches required for power operators.

grille curtain: Shall be formed of steel (or aluminum) 5/16" round horizontal members spaced 1 1/2" on center, with straight-line vertical connecting links spaced at 9". The horizontal bars shall not act as hinge pins, but shall merely be supported by the vertical members which shall hinge upon themselves. The footpiece shall be of angles riveted back to back.

guide detail for types:



FPG
FCG
FKG



JPG
JKG

reversible grille cylinder lock

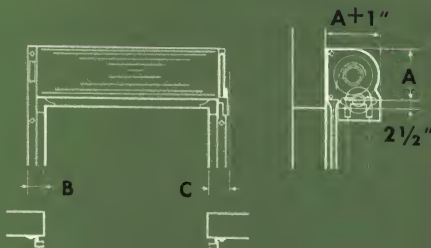
This is a cremone type of locking device that engages the throw-bars into both side guides. The lock rotates freely around the throw-bar, permitting operation from either side of the grille. Provision is made to take a 1-5/32" diameter mortise cylinder. The entire lock is made of brass, then chrome plated for an attractive, durable finish. Furnished at additional cost and should be specified if required.



type FCG

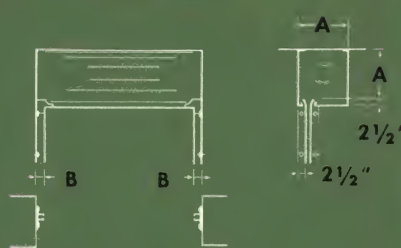
Note:
FKG (crank) similar

face of wall mounted
chain operation



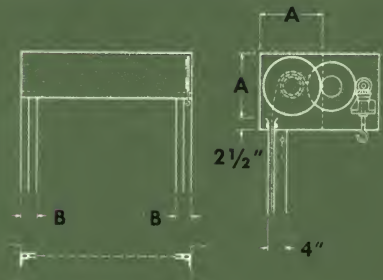
type JPG

between jambs mounted
push-up operation



type JKG

between jambs mounted
crank operation



DIMENSIONS

HEIGHT	7'0"	11'6"	13'6"	14'0"
TO 14'0" WIDE	A 13"	15"	16"	18"
	B 5"	5"	5"	5"
	C 6"	6"	7"	7"
TO 20'0" WIDE	A 15"	16"	18"	CONSULT FACTORY
	B 5"	5"	5"	
	C 6"	6"	7"	

DIMENSIONS

HEIGHT	7'0"	11'6"
TO 14'0" WIDE	A 13"	15"
	B 2 1/2"	2 1/2"

NOT RECOMMENDED OVER 80 SQ. FT. IN
STEEL AND 120 SQ. FT. IN ALUMINUM

DIMENSIONS

HEIGHT	7'0"	11'6"	13'6"	14'0"
TO 14'0" WIDE	A 13"	15"	16"	18"
	B 5"	5"	5"	5"
TO 20'0" WIDE	A 15"	16"	18"	CONSULT FACTORY
	B 5"	5"	5"	

guides: To be fabricated from extruded aluminum shapes designed with a return lip feature to prevent Grille from pulling out of guides under excessive pressure. Upper end shall be properly flared to facilitate entry of Grille curtain. Guides to be complete with wool-pile stripping to eliminate metal-to-metal contact between curtain and guide.

brackets: Shall be fabricated from steel plate and to be bolted to wall angle by 1/2" bolts.

barrel: To be not less than 4" diameter steel tubing and designed to limit maximum deflection to .03" per foot. Grille curtain to be counterbalanced by means of oil-tempered torsion springs. To insure ease of operation, the weight of barrel and Grille curtain shall be supported by two grease-sealed ball bearings.

operation: Door shall be of: (Select type required.)

1) Manual or push-up operation with sliding bolt locks on footpiece (not recommended for doors of over 80 sq. ft.).

2) Chain operation by means of galvanized hand chain which shall be locked by means of chain lock on guide.

3) Crank operation by means of handle, crank box and reduction gearing.

4) Crank operation by means of hand crank with a removable operating arm (used to eliminate the necessity of a crank box).

5) Motor operation by means of push-button control (see motor operation specifications on Page 10).

finish: Steel Grilles: All parts of Grille curtain to be electro galvanized before fabrication, then given shop coat of aluminum paint.

finish: Aluminum Grilles: All Aluminum parts: (Select type of finish required.)

1) Shall be of mill finish.

2) Shall be given a shop coat of aluminum paint after fabrication.

3) Shall be "Alumilited" after fabrication.

erection: Shall be done in accordance with Cookson Company standards by sales representatives of the Company.



COUNTER DOORS

EXTRUDED ALUMINUM

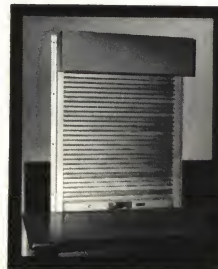
with exclusive wool-pile guide* stripping
for snug, quiet, friction-free operation

schools
cafeterias
offices
stores
post office windows
service entrances
ticket windows

Because they provide the most practical and attractive answer to all counter closure applications, Cookson Counter Doors are specified more than any other door of this type. Durable slats of "Alumilited" extruded aluminum are resistant to denting, scratching or other damage. They are corrosion and rust proof, with nothing to chip or wear off. Nor do they introduce any of the other costly problems associated with ordinary light-weight "mill finish" aluminum. They require no painting or maintenance, and are easy to clean. Counterbalanced for easy operation and equipped with lubricated ball bearings, they are effortlessly coiled up and out of the way, or snugly fitted to counter in the closed and locked position.

Cookson Extruded Aluminum Counter Doors combine a trim appearance, fully compatible with modern architectural design, with the ultimate in truly practical performance. They are custom built to specified openings, easy to install, operate and maintain.

Cookson Counter Door for pass window, with cremone type of cylinder lock recessed in tubular footpiece.



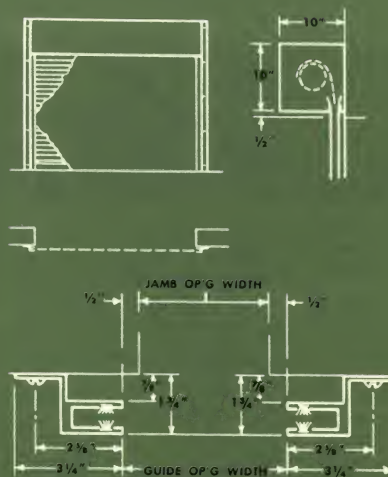
Distinctive hotel installed a Cookson Aluminum Door to close off the entrance to a lobby news stand. "Alumilited" slats provide both durability and smartness.

Multi-purpose room of new church uses Cookson push-up full Aluminum Door for storage areas. An ideal choice where durability and neatness are required.

Compact installation and ease of operation are among the many reasons why Cookson is so widely specified for school cafeteria counter applications.

type CD8-1

face of wall mounted
push-up operation



COUNTER DOOR SPECIFICATIONS

ALL COOKSON COUNTER DOORS ARE CUSTOM BUILT TO THE SPECIFIC SIZE OF THE OPENING

curtain: To be formed of extruded aluminum, "Alloy 6063," flat faced Midget Slats (Cookson Slat No. 8). Width of slats 1-5/16". Depth of crown 3/8". Footpiece shall be tubular in shape and provided with double vinyl astragal.

barrel: Curtain to be coiled around a steel tubing of not less than 4"

slats and guides

Exclusive Cookson Midget Slats are sturdy, smartly styled "Alumilited" extruded aluminum. They provide lifetime beauty, a permanent muted luster that defies all forms of wear. Guides are fitted with a locked-in wool-pile stripping that eliminates metal-to-metal sliding contact. This results in a smooth, easy action, virtually noise-free operation, and provides a highly effective seal against dust and weather. Rugged Cookson guide stripping has been proved for durability in long service everywhere.



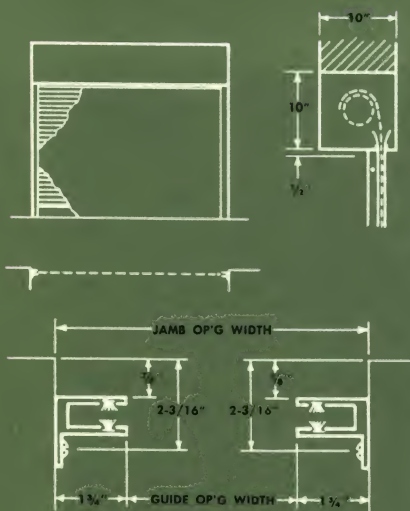
operation

It is recommended that all doors over 12 feet in width be furnished with a simple hand crank operator with a removable operating arm. This compact unit is mounted at the top of the door, up and out of the way, eliminating the need for a crank box at the counter level. With operating arm detached, unauthorized persons are prevented from opening or closing the door. Doors less than 12 feet wide have handles mounted on the bottom bar for easy push-up operation.



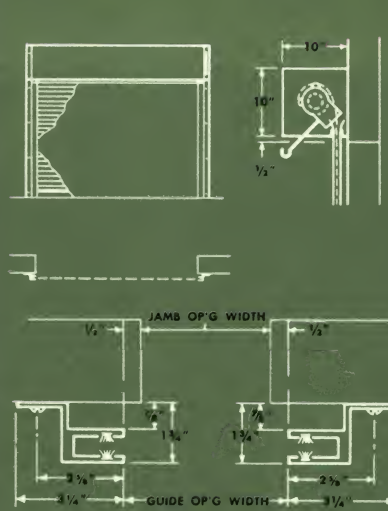
type CD8-2

under lintel mounted
push-up operation



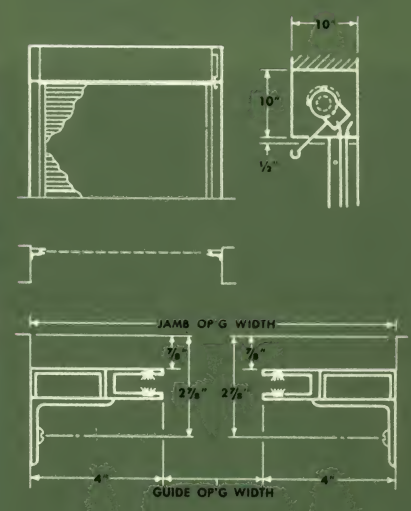
type CD8-3

face of wall mounted
crank operation



type CD8-4

under lintel mounted
crank operation



diameter. Counterbalancing unit to be enclosed and shall rotate on grease sealed ball-bearings.

counter balance: Shall consist of oil tempered torsion springs capable of counterbalancing weight of curtain.

operation: Doors under 12'0" wide shall be of push-up operation with finger lifts mounted on the bottom bar. Doors over 12'0" wide shall be operated by means of a hand crank with a removable operating arm to eliminate the necessity of a crank box at counter elevation.

guides: To be fabricated from aluminum extruded shapes, "Alloy 6063."

Guides to be fitted with wool-pile stripping*.

locking device: Footpiece of curtain shall be furnished with a concealed sliding bolt lock operated by a knob. At additional cost a cylinder lock, operable from one side of opening, can be furnished.

hood: Aluminum hood of .040" minimum thickness shall be furnished when necessary, to encase curtain roll.

finish: Curtain, bottom bar, guides and hood shall be buffed and then "Alumilited" after fabrication. All other parts to be given a shop coat of aluminum paint.

*Patent pending



SIDE COILING PARTITIONS

single openings to 125' wide
double openings to 250' wide
heights to 24'

gymnasiums
cafeterias
classrooms
churches
factories
showrooms
stores
stages
homes

Cookson Wood Side Coiling Partitions are designed to give a feeling of permanent integral structural walls in each of the rooms or areas they divide. They roll completely out of the way, giving the combined areas the appearance as well as practical application of a single larger unit. Both floor and overhead tracks are particularly inconspicuous. Whether power, crank or manually operated, the partitions roll quickly and easily in a straight line, so that no furniture or equipment need be moved to permit opening or closing. Extremely high strength of the partition and supporting members offers maximum protection against damage. Materials and workmanship are carefully controlled from the selection of finest kiln dried vertical grain woods to the final assembly of the completed coil box, operating mechanisms, track and partition. Each partition is custom built and shipped in unitized assemblies for easy specification and installation.



As the wood curtain is coiled, its weight is transferred from the overhead track to the radial bearing supported bottom plate, as shown above.

Cookson Side Coiling Wood Partitions quickly divide gymnasiums and other large rooms into smaller areas for multi-purpose use.

Arch, peak or other unusual ceilings offer no problem for Cookson Partitions. Illustrated is 54' x 14' partition, crank operated.

SPECIFICATIONS

partition: To be constructed of vertical grain kiln dried 1"x2" douglas fir, milled to the Cookson modified tongue and groove "V" faced pattern. To prevent separation of curtain and assure perfect alignment, it shall be assembled with concealed cables and spring steel ribbons. (Other woods are available subject to factory approval.)

coil box: Partition to coil around a steel pipe supported by a lifetime-lubricated Timken precision thrust bearing. Coil housing frame to be fabricated from structural steel shapes to form a single integrated unit. Application of facing is to be by others as specified by the architect.

operation: A. *Push-pull operation.* Partitions up to 80 sq. ft. and not exceeding

8 ft. in height may be manually (push-pull) operated. Type SCP-1.

B. *Hand crank operation.* Partitions up to 420 sq. ft. and not exceeding 14 ft. in height or 30 ft. in width may be hand crank operated in both directions. With this operation the curtain shall move at constant speed. Type SCP-2.

C. *Motor operation.* All partitions up to 24 ft. in height and 125 ft. in width may be electrically operated with push button control. With this operation the curtain shall move at constant speed. Drive mechanism shall consist of drive gears and cables suitably arranged to coil and uncoil curtain into box at constant speed. Drive gears shall furnish motivation force in both directions with cables, keeping curtain under constant tension at all times. No mechanical or electrically operated clutches will be permitted. The above requirements must be strictly adhered to in the interest of public safety. Any bidder desiring to quote on this item must furnish

proof to the architect that his standard product complies with these requirements. Type SCP-3.

upper track: Shall be one-piece construction of extruded aluminum to support full curtain load, and is to be fully adjustable to permit compensation for deflection of truss or other mounting surfaces.

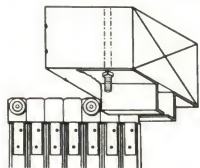
floor guide: Shall be furnished complete with cleanout boxes and shall be installed by the general contractor as per Cookson Company recommendations.

meeting stile: To be formed from "Alumilited" Aluminum with a compressible nosing. (Note—When specified on motor operated Partitions, the front edge of the Meeting Stile will be furnished, at extra cost, with Cookson Company's "Detect-edge," a safety device to stop forward motion upon contact with an object.)

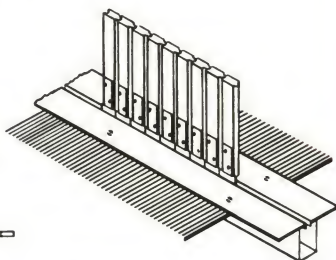
finish: Stain or treatment by others.

assembly: Partition shall be shipped completely assembled in coil box when practicable.

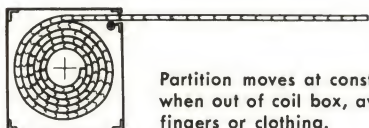
special features



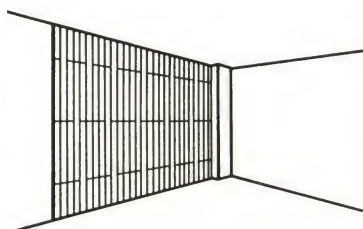
Exclusive nylon curtain-support wheels mounted on ball bearings — running in an adjustable continous track mounting — provide maximum safety, sound resistance, ease of operation.



Exclusive continuous bottom end lock and guide design retains constant alignment, gives maximum sound resistance.

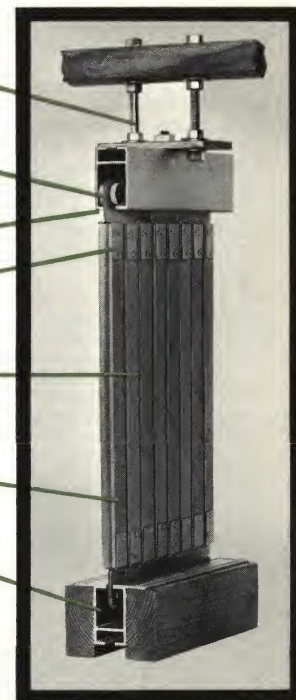


Partition moves at constant speed in a direct line when out of coil box, avoiding danger of pinched fingers or clothing.



Special adjustable concealed cables at properly engineered intervals maintain constant alignment for full length of slats.

design and construction



Adjustable track bolts can be attached to any steel or wood beam members

Nylon ball bearing wheels

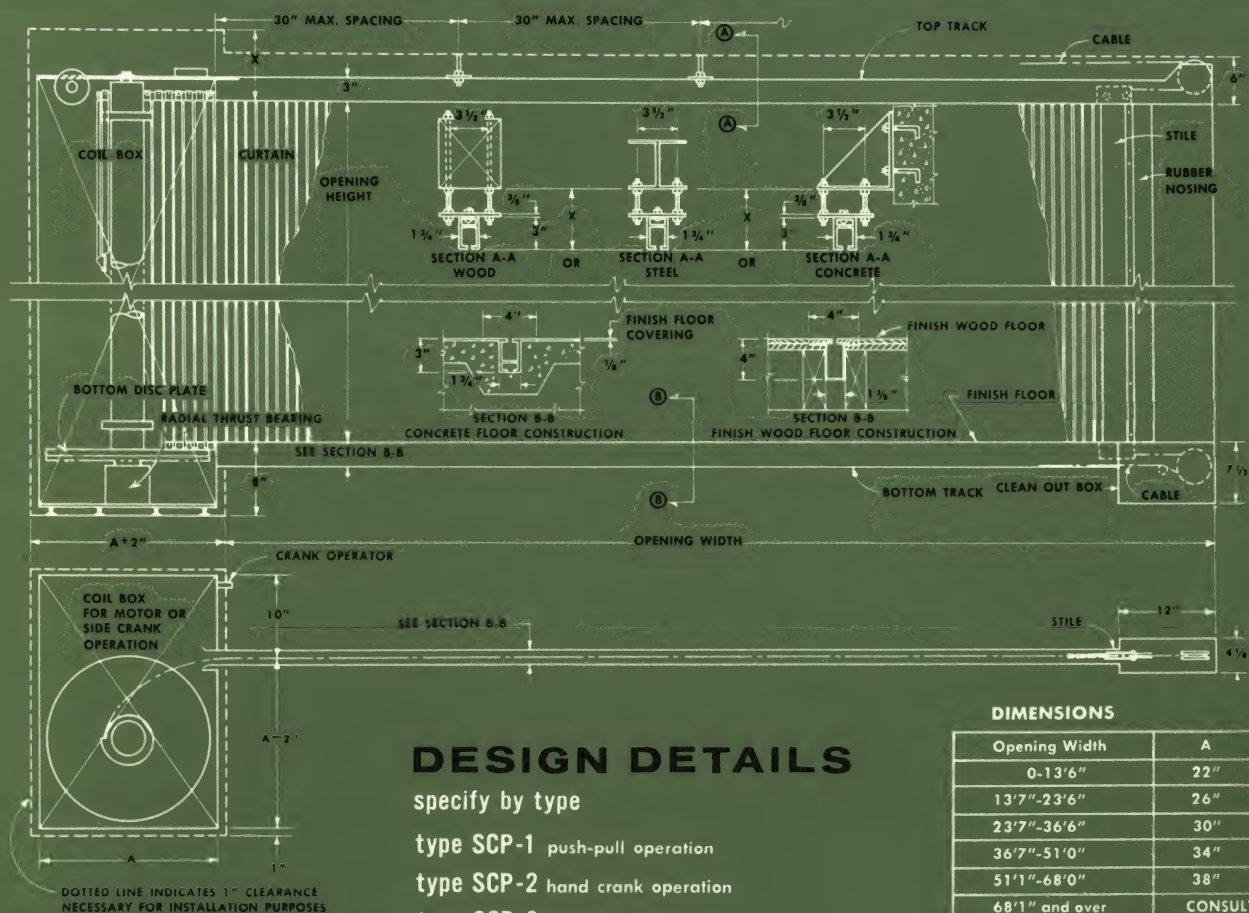
Extruded aluminum track

Continuous shoes

Curtain of vertical grain wood, assembled with concealed cables and spring steel ribbons

Curtain load is only 4 lbs. per sq. ft.

Extruded aluminum floor guide



DESIGN DETAILS

specify by type

type SCP-1 push-pull operation

type SCP-2 hand crank operation

type SCP-3 motor operation

DIMENSIONS

Opening Width	A	X
0'-13'6"	22"	6"
13'7"-23'6"	26"	7"
23'7"-36'6"	30"	8"
36'7"-51'0"	34"	8"
51'1"-68'0"	38"	9"
68'1" and over	CONSULT FACTORY	

The Cookson Company reserves the right to make changes in specifications without notice.



INSTALLATIONS in every State and in important centers around the world demonstrate the wide acceptance and dependability of Cookson Doors. A representative list of users, covering every phase of business, industry, government, and institutional application, will be furnished upon request.

SALES and SERVICE, including trained and experienced installation service, is available through the competent Cookson representatives listed below. Each of these well-established organizations has been selected for a sound knowledge of building requirements, personnel and facilities capable of providing accurate sales information, efficient installation and prompt service.

ALABAMA

BIRMINGHAM

Wilson Door & Window Supply Company
716 - 8th Court, West — AL 1-4533
MOBILE — Elmer Ezell, Inc.
166 Morgan Avenue — GR 9-6754

ARIZONA

PHOENIX — Allison Steel Mfg. Company
19th Ave. & Southern Pacific Tracks
AL 8-7731

CALIFORNIA

BAKERSFIELD — G. H. Slack & Son, Inc.
231 Sonora Street — FA 5-5878
EUREKA — Geo. C. Jacobs Company
60 West 4th Street — HI 2-6484
FRESNO — Healey & Popovich
1703 Fulton Street — AM 4-4737
MODESTO — Valley Asbestos & Supply Co.
1601 McHenry Street — LA 4-5188
SACRAMENTO — Openings, Inc.
2636 Redding Avenue — GL 1-2100
SAN DIEGO — Chas. H. Lentz
P. O. Box 727 — BE 2-1868
SAN JOSE — West Coast Steel Company
1131 Auzerai Avenue — CY 2-5802

COLORADO

DENVER — Leever-Post Company
4350 N. Broadway Avenue — AM 6-2475

CONNECTICUT

BRIDGEPORT — Hawley Hardware Co.
1120 Main Street

FLORIDA

CORAL GABLES — Carl J. Hanson Co.
1417 Palancia Avenue — MO 7-8392
JACKSONVILLE — Southern G.F. Company
1507 Industrial Blvd. — EV 8-9258
TAMPA — T. E. Jacobson Company
P. O. Box 8006 — WE 9-4161

GEORGIA

ATLANTA — Southern G. F. Company
257-263 Decatur Street — JA 3-7223

IDAHO

BOISE — The Casco Company
2008 S. Latah Street — 3-3758

ILLINOIS

CHICAGO — Butters Building Spec. Co.
20 North Wacker Drive — FR 2-5795

IOWA

DAVENPORT — Ramco
3420 Miller Street — 3-8013
DES MOINES — Swanson Sales, Inc.
2737 Douglas Avenue — CR 9-9793

KANSAS

TOPEKA — Building Spec. & Equip. Co.
603 Topeka Blvd. — CE 2-1252
WICHITA — Building Spec. & Equip. Co.
1727 E. 2nd Avenue — AM 5-2821

KENTUCKY

LOUISVILLE — John W. Bishop
5330A South Third Street
Suite 106, Iroquois Bldg. — EM 8-1691

LOUISIANA

BATON ROUGE — A. B. Broussard & Son
2937 Greenwood Drive — DI 4-3703
LAKE CHARLES
Robert T. Mutersbaugh, Bldg. Specialties
P. O. Box 136 — HE 9-5616

NEW ORLEANS

Louisiana School Supply Company
833 Howard Avenue — MA 0643
SHREVEPORT — Building Service Company
1245 Texas Ave. — 3-7106

MARYLAND

BALTIMORE — The Jennings & Winters Co.
3834 Falls Road — TU 9-6126

MASSACHUSETTS

WEST NEWTON — William Davies Co.
1463 Washington Street — DE 2-2500, 1, 2

MICHIGAN

DETROIT — O. C. Witte Company
1003 Donovan Bldg. — WO 2-1001
FLINT — J. P. Burroughs & Son
625 West Second Street — CE 2-2181
GRAND RAPIDS — G. W. Clements Co.
816-828 Cherry Street, S.E. — GL 4-2593

MINNESOTA

MINNEAPOLIS — J. R. Burtis Company
384 Sexton Bldg. — FE 6-8551

MISSISSIPPI

JACKSON — Laughlin Company
313½ W. Pascagoula Street — 3-4870

MISSOURI

KANSAS CITY — The Houston Company
Rm. 201, 3221 Troost Ave. — VA 1-2915
ST. LOUIS — Howard F. Willis
P. O. Box 3818, Kirkwood Station — YO 6-3555

MONTANA

BILLINGS — Stroup Hardware Company
2816 Minnesota Avenue — 3-3186

NEBRASKA

OMAHA — Builders Products Company
3928 Lake Street — PF 2600

NEVADA

LAS VEGAS — Contractors Service Co.
219 W. Colorado Street
RENO — Meredith Steel Const.
P. O. Box 278 — FA 3-3782

NEW HAMPSHIRE

MANCHESTER
United Glass & Aluminum Co., Inc.
78-80 Douglas Street — NA 3-3517, 8

NEW MEXICO

ALBUQUERQUE — Don J. Cummings
P. O. Box 3103, Station D — AX 9-2411

NEW YORK

NEW YORK — Narragansett Industries, Inc.
4 East 39th Street — MU 5-0791

NORTH CAROLINA

CHARLOTTE
Delph Hardware & Specialty Co.
2109 Hutchison Ave. — FR 6-3671

RALEIGH

Delph Hardware & Specialty Co.
223 Bickett Blvd. — TE 3-1603

OHIO

AKRON — A. E. Hotard Company
790 Thayer Street — FR 6-7129
CINCINNATI — Architectural Products Co.
7036 Poplar Lane — PO 1-8282
TOLEDO — D. A. Valo & Associates
3243 Van Fleet Parkway — TU 2-5246
ZANESVILLE — The Jay Doak Company
P. O. Box 307 — 2-9397

OKLAHOMA

OKLAHOMA CITY — Remco, Inc.
1205 N. Pennsylvania — JA 5-7463

OREGON

PORTLAND — Fought & Company
5595 N. Lagoon Avenue — BU 5-4531

PENNSYLVANIA

HANOVER — Theron G. Cromer Associates
920 Sherwood Street — ME 3-0191
PITTSBURGH — Haulib Company
646 Washington Road — LE 1-2288

RHODE ISLAND

PROVIDENCE — General Sash Supply Co.
35 Turner Street — UN 1-7760

SOUTH CAROLINA

COLUMBIA — Southern G. F. Company
1606 Westminster Drive — 3-7359

SOUTH DAKOTA

RAPID CITY — Midwest Builders Supply, Inc.
813 Quincy — FI 2-5932

TENNESSEE

JOHNSON CITY — O. M. Jones Company
P. O. Box 38 — 458
NASHVILLE — Boyd Jacoway
P. O. Box 6151 — CY 7-1348

TEXAS

AMARILLO
Amarillo Architectural Products
1212 E. 9th Avenue — DR 2-4893
AUSTIN — R. A. Gilbert Company
Perry-Brooks Bldg. — 6-6229
CORPUS CHRISTI — Safety Glass Company
412 N. Staples Street — TU 3-9324
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P. O. Box 9784 — DA 7-6572
EL PASO — Neff, Buckner, Holt, Inc.
600 West Paisano Drive — KE 3-1405
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P. O. Box 7327 — UN 4-4487
SAN ANTONIO — Straus Frank Co.
3800 San Pedro

UTAH

SALT LAKE CITY
S. A. Roberts & Company
109 West Second South Street — EM 4-4431

VIRGINIA

ALEXANDRIA
Eastern Engineering Company
3834 Mt. Vernon Avenue — TE 6-6032

WASHINGTON

SEATTLE — Bradley-Zesbaugh, Inc.
505 White-Henry-Stuart Bldg.
MA 4-1570, 71, 72
SPOKANE — Brant Bernhard Corporation
West 34 Second Ave. — RI 7-2081

WISCONSIN

MILWAUKEE — Jim Michel Bldg. Spec., Inc.
3247 W. Hampton Avenue — UP 3-7700

CANADA

VANCOUVER, B.C.
Permasteel Engineering, Ltd.
1089 West Broadway — BA 6531

HAWAII

HONOLULU — Lewers & Cooke, Ltd.
404 Piikoi Parkway — 5-1961

PUERTO RICO

SANTURCE — Lausell Commercial, Inc.
Pesante 266 — 2-3009

THE COOKSON COMPANY

1525 Cortland Avenue, San Francisco 10, Calif.

Southern California Office — 120 East Palm Avenue, Burbank, Calif.

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